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**COMPOUNDS USEFUL FOR INHIBITING CHK1****CROSS REFERENCE TO RELATED APPLICATIONS**

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U.S. provisional application Serial No. 60/273,124,  
filed March 2, 2001.

**TECHNICAL FIELD OF THE INVENTION**

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The present invention relates to compounds  
useful for inhibiting enzymes that maintain and re-  
pair the integrity of genetic material. More par-  
ticularly, the present invention relates to a series  
15 of aryl- and heteroaryl-substituted urea compounds,  
methods of making the compounds, and their use as  
therapeutic agents, for example, in treating cancer  
and other diseases characterized by defects in de-  
oxyribonucleic acid (DNA) replication, chromosome  
20 segregation, or cell division.

**BACKGROUND OF THE INVENTION**

An important and significant goal in  
25 healthcare is to discover and make available safer  
and more effective drugs for the treatment of  
cancer. Most chemotherapeutic agents act by dis-  
rupting DNA metabolism, DNA synthesis, DNA tran-  
scription, or microtubule spindle function, or by  
30 perturbing chromosomal structural integrity by  
introducing DNA lesions. These processes affect  
both normal and tumor cells. The maintenance of DNA  
integrity is essential to cell viability in normal  
cells, therefore, anticancer drugs have the lowest  
35 therapeutic index of any drug class.